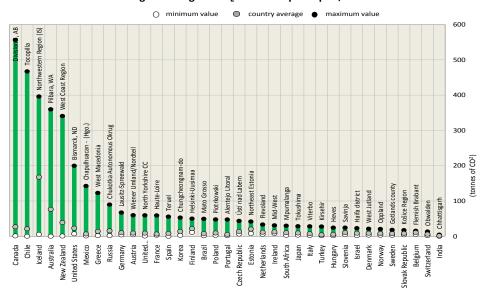
OECD Regions at a Glance 2013 – The interactive edition

Carbon dioxide (CO_2) is the primary greenhouse gas emitted through human activities. While CO_2 occurs naturally in the atmosphere and is part of the earth's carbon cycle, man-made CO_2 emissions have accounted for the majority of the CO_2 increase in the atmosphere since the beginning of the industrialisation. Data on emissions by region must be considered in context, since the indicators are powerfully influenced by things like industrial structure and geography. Thus cities and regions with little industry may generate lower emissions but their inhabitants consume industrial goods produced elsewhere that contribute to GHG emissions.

Wide ranges in CO₂ emissions per capita exist among regions. The highest values of CO₂ per capita were registered in some regions of Australia, Canada, Chile, Greece, New Zealand and the United States, and, among non OECD countries, the Russian Federation.

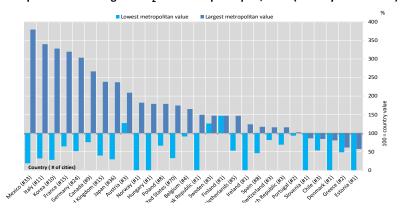
TL3 regional range in CO₂ emissions per capita, 2008



Source: OECD Regions at a Glance 2013

Evidence shows that the CO_2 emissions per capita in metropolitan areas are lower than in less densely populated regions in half of the OECD countries, where data are available. While metropolitan areas are considered large consumers of energy and producers of CO_2 , high differences are observable among cities both within and across countries. The metropolitan areas with the highest levels of emissions per capita are found in Canada, Korea and the United States. Within countries, the highest differences in CO_2 emissions per capita in metropolitan areas are observed in Italy, Korea, Mexico and France.

Metropolitan areas range in CO₂ emissions per capita, 2008 (country value = 100)



Links:

OECD Regions at a Glance 2013
OECD Regional Statistics and Indicators
Regions at a Glance interactive

Definitions

CO₂ regional emissions are imputed from national emission data allocated to grids of circa 10 km x 10 km square. It includes emissions from all sources with the exception of air transport, international aviation and shipping.

Carbon dioxide (CO₂) emissions in metropolitan areas are estimated by adjusting national emission data with population grid data and infrastructure location. They include emissions from all sources with the exception of air transport, international aviation and shipping.